

7828 Hampden Lane Bethesda

[HPC # 35163-128]

Greenwich Forest H.D.



HISTORIC PRESERVATION COMMISSION


Isiah Leggett
County Executive

Leslie Miles
Chairperson

Date: April 5, 2012

MEMORANDUM

TO: Diane R. Schwartz Jones, Director
Department of Permitting Services

FROM: Josh Silver, Senior Planner 
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit #592023, non-original window replacement

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was approved at the March 28, 2012 meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Colin and Elizabeth Dove

Address: 7828 Hampden Lane, Bethesda

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once the work is complete the applicant will contact the staff person assigned to this application at 301-563-3400 or joshua.silver@mncppc-mc.org to schedule a follow-up site visit.





HISTORIC PRESERVATION COMMISSION
301/563-3400

APPLICATION FOR HISTORIC AREA WORK PERMIT

Contact Person: COLIN DOVE
Daytime Phone No.: 571.230.7785

Tax Account No.: 07 00495958

Name of Property Owner: COLIN & ELIZABETH DOVE Daytime Phone No.: 571 230 7785

Address: 7828 HAMPDEN LN BETHESDA MD 20814
Street Number City Street Zip Code

Contractor: HAMMER & NAIL EXTERIORS INC Phone No.: 888.236.3307

Contractor Registration No.: 95857 87374

Agent for Owner: MARY BETH MIMY Daytime Phone No.: 240.599.6480

LOCATION OF BUILDING/PREMISE

House Number: 7828 Street: HAMPDEN LN
Town/City: BETHESDA Nearest Cross Street: MIDWOOD
Lot: 18 Block: 12C Subdivision: GREENWICH FOREST 0026
Liber: _____ Folio: _____ Parcel: _____

PART ONE: TYPE OF PERMIT ACTION AND USE

1A. CHECK ALL APPLICABLE:

- Construct
- Extend
- Alter/Renovate
- Move
- Install
- Wreck/Raze
- Revision
- Repair
- Revocable

CHECK ALL APPLICABLE:

- A/C
- Slab
- Room Addition
- Porch
- Deck
- Shed
- Solar
- Fireplace
- Woodburning Stove
- Single Family
- Fence/Wall (complete Section 4)
- Other: WINDOW REPLACEMENT / REAR DOOR

1B. Construction cost estimate: \$ ~~6000~~ \$12,000

1C. If this is a revision of a previously approved active permit, see Permit # _____

PART TWO: COMPLETE FOR NEW CONSTRUCTION AND EXTEND/ADDITIONS

2A. Type of sewage disposal: 01 WSSC 02 Septic 03 Other: _____
2B. Type of water supply: 01 WSSC 02 Well 03 Other: _____

PART THREE: COMPLETE ONLY FOR FENCE/RETAINING WALL

3A. Height _____ feet _____ inches
3B. Indicate whether the fence or retaining wall is to be constructed on one of the following locations:
 On party line/property line Entirely on land of owner On public right of way/easement

I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and thereby acknowledge and accept this to be a condition for the issuance of this permit.

[Signature]
Signature of owner or authorized agent

02/3/2012
Date

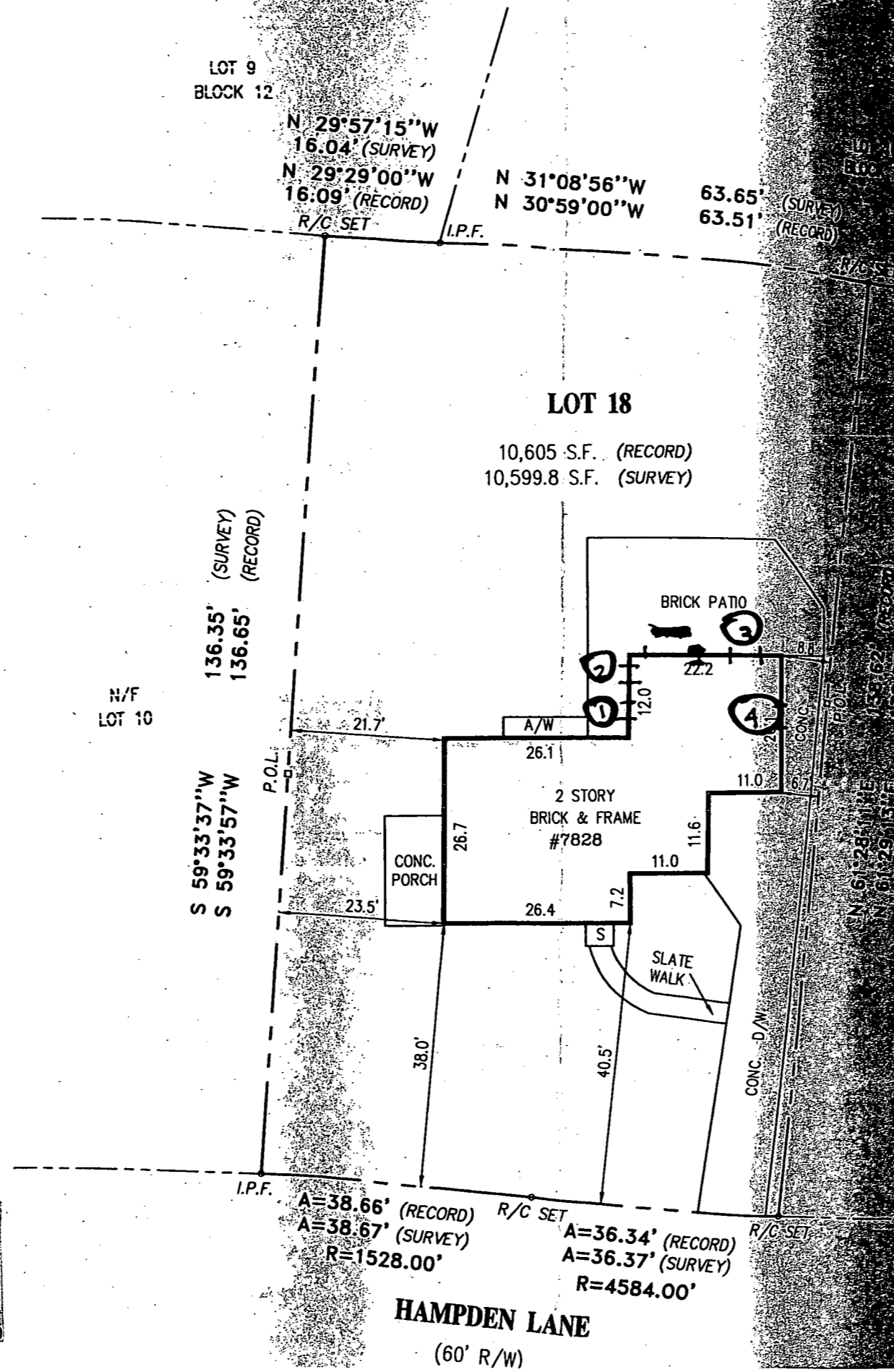
Approved: [Signature] For Chairperson, Historic Preservation Commission

Disapproved: _____ Signature: [Signature] Date: 4/6/12

Application/Permit No.: 592023 Date Filed: 2/24/12 Date Issued: _____

P.621

- 3. ALL PROPERTY CO VERIFIED PER FIELD
- 4. I.P.F. INDICATES IF R/C SET INDICAT. P.O.L. INDICATES INDICATED.
- 5. PROPERTY IS REC MONTGOMERY COU DESCRIBED IN LIBE



SITE PLAN
SHOWING ~~2~~
A WINDOWS
TO BE REPLACED

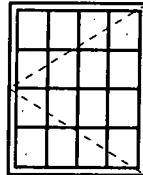
APPROVED
Montgomery County
Historic Preservation Commission
[Signature]
4/6/12

PL
#78
LOT
GREE
MONTG
SCALE: 1"

*** PRICES LISTED IN USD ***

QUOTE: 00000002

QTY: 2 MARK UNIT - family room
 I CA - LH
 WOOD - ULTREX SERIES
 CN 3747
 RO 37" X 47 5/8"
 IG - 1 LITE
 LOW E II W/ARGON
 7/8" RECT SDL - NO SPACER BAR - SPC CUT 4W4H
 PEBBLE GRAY EXT. - WHITE INT.
 AF HDWE
 INTERIOR SCREEN
 WHITE SURROUND
 CHARCOAL FIBERGLASS MESH
 NAILING FIN
 4 9/16" JAMBS
 WHITE INTERIOR
 PEBBLE GRAY EXTERIOR

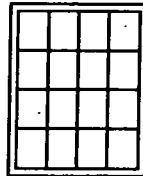


AS VIEWED FROM THE EXTERIOR

DIVIDED LITE CUT ALIGNMENT MAY NOT BE ACCURATELY REPRESENTED IN THE MQS GENERATED DRAWING
 PLEASE CONSULT YOUR LOCAL INTEGRITY REPRESENTATIVE FOR EXACT SPECIFICATIONS

QUOTE: 00000007

QTY: 2 MARK UNIT - fixed windows-garage
 I CA - STATIONARY
 WOOD - ULTREX SERIES
 CN 3747
 RO 37" X 47 5/8"
 IG - 1 LITE
 LOW E II W/ARGON
 7/8" RECT SDL - NO SPACER BAR - SPC CUT 4W4H
 PEBBLE GRAY EXT. - WHITE INT.
 NAILING FIN
 4 9/16" JAMBS
 WHITE INTERIOR
 PEBBLE GRAY EXTERIOR



AS VIEWED FROM THE EXTERIOR

APPROVED
 Montgomery County
 Historic Preservation Commission
[Signature]
 4/16/12

DIVIDED LITE CUT ALIGNMENT MAY NOT BE ACCURATELY REPRESENTED IN THE MQS GENERATED DRAWING
 PLEASE CONSULT YOUR LOCAL INTEGRITY REPRESENTATIVE FOR EXACT SPECIFICATIONS

CONTINUED ON NEXT PAGE

EXPEDITED
MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	7828 Hampden Lane, Bethesda	Meeting Date:	3/28/2012
Resource:	Contributing Resource Greenwich Forest Historic District	Report Date:	3/21/2012
Applicant:	Colin and Elizabeth Dove	Public Notice:	3/14/2012
Review:	HAWP	Tax Credit:	No
Case Number:	35/165-12B	Staff:	Josh Silver
PROPOSAL:	Non-original window replacement		

STAFF RECOMMENDATION:

Approve
 Approve with conditions

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Contributing Structure within the Greenwich Forest Historic District
STYLE: Colonial Revival
DATE: 1935 (with c1960 garage addition)

PROPOSAL:

The applicants are proposing to remove and replace four wooden casement windows in a c1960s garage addition section of the house with Marvin Integrity, Wood-Ultrex casement windows in the same openings. The proposed Wood-Ultrex line includes a wooden interior with fiberglass exterior and SDL profile, with muntin bars permanently adhered to both sides of the glass. The proposed work will be confined to the rear and side elevations of the subject property.

APPLICABLE GUIDELINES:

Greenwich Forest Historic District Guidelines (*Guidelines*)

The *Guidelines* designate the subject property as a Contributing Structure. The *Guidelines* state that windows for properties designated as Contributing Structures are subject to a **Limited Scrutiny** level of review if the windows are not visible from the public right-of-way and **Strict Scrutiny** if they are visible from the public right-of-way.

The *Guidelines* define **Limited Scrutiny** as the least rigorous level of review. With this level, the scope or criteria used in the review of applications for work permits is more limited and emphasizes the overall structure rather than materials and architectural details. The decision-making body should base its review on maintaining compatibility with the design, texture **scale, spacing and placement** of surrounding houses and the impact of the proposed change on the streetscape.

The *Guidelines* define **Visible from the public right-of-way** as those “portions of the house that are part of the streetscape viewed facing the front elevation.” The *Guidelines* define **Front elevation** as “the view of the main portion of a house, not including side porches, from the public right-of-way facing the front door.”

Balancing Preservation and Flexibility, visibility [Guidelines, B4]: Property owners have additional flexibility under these Guidelines to make more extensive changes to the parts of their houses that are less *visible from the public rights-of way [emphasis not added]* in front of their houses.

Windows, dormers, & doors: [Guidelines, D17]: Door and window replacements are acceptable, as long as the replacements are compatible with the architectural style of the house. Replacement windows with true or simulated divided lights are acceptable, but removable (‘snap-in’) muntins are not permitted on front-facing windows of contributing houses.

STAFF RECOMMENDATION:

Staff finds that, consistent with the Greenwich Forest Design Guidelines D17, the following work requires a HAWP:

- the proposal to remove the existing wooden casement windows and replace them with a Marvin Integrity, Wood-Ultrex, SDL, casement window in the same openings

Staff finds that the proposed replacement window style is compatible with the architectural style of the house, and therefore is consistent with Guideline D17 above.

Staff finds the following project elements consistent with the “additional flexibility” standard required by Guideline B4:

- the proposal to remove the existing wooden casement windows and replace them with a Marvin Integrity, Wood-Ultrex, SDL, casement window in the same openings.

Staff recommends that the Commission **approve** the HAWP application under the Criteria for Issuance in Chapter 24A-8(b), having found that the proposal is consistent with the Greenwich Forest Historic District Design Guidelines identified above, and therefore compatible in character with the district and the purposes of Chapter 24A.

and with the general condition that the applicant shall present the **3 permit sets of drawings, if applicable to Historic Preservation Commission (HPC) staff for review and stamping** prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make **any alterations** to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or joshua.silver@mncppc-mc.org to schedule a follow-up site visit.



DPS - #8

HISTORIC PRESERVATION COMMISSION
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PART ONE: TYPE OF PERMIT ACTION AND USE

1A. CHECK ALL APPLICABLE:

- Construct Extend Alter/Renovate
Move Install Wreck/Raze
Revision Repair Revocable

CHECK ALL APPLICABLE:

- A/C Slab Room Addition Porch Deck Shed
Solar Fireplace Woodburning Stove Single Family
Fence/Wall (complete Section 4) Other: WINDOW REPLACEMENT / REAR DOOR

1B. Construction cost estimate: \$ 6000 \$12,000

1C. If this is a revision of a previously approved active permit, see Permit #

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I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and I thereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent

02/3/2012 Date

Approved: For Chairperson, Historic Preservation Commission

Disapproved: Signature: Date:

Application/Permit No.: 592023 Date Filed: 2/24/12 Date Issued:

SEE REVERSE SIDE FOR INSTRUCTIONS

4

PLEASE PRINT (IN BLUE OR BLACK INK) ON TYPE THIS INFORMATION ON THE FOLLOWING PAGE.
PLEASE STAY WITHIN THE GUIDES OF THE TEMPLATE, AS THIS WILL BE PHOTOCOPIED DIRECTLY ONTO MAILING LABELS.

For ALL projects, provide an accurate list of adjacent and confronting property owners (not tenants), including names, addresses, and zip codes. This list should include the owners of all lots or parcels which adjoin the parcel in question, as well as the owner(s) of lot(s) or parcel(s) which the driveway crosses the street/highway from the parcel in question. You can obtain this information from the Department of Assessments and Taxation, 51 Monroe Street, Rockville, (301) 279-1355.

7. ADDRESSES OF ADJACENT AND CONFRONTING PROPERTY OWNERS

If you are proposing construction adjacent to or within the dripline of any tree 6" or larger in diameter (at approximately 4 feet above the ground), you must file an accurate tree survey identifying the size, location, and species of each tree of at least that dimension.

6. TREE SURVEY

- a. Clearly labeled photographic prints of each facade of existing resource, including details of the affected portions. All labels should be placed on the front of photographs.
- b. Clearly label photographic prints of the resource as viewed from the public right-of-way and of the adjoining properties. All labels should be placed on the front of photographs.

5. PHOTOGRAPHS

General description of materials and manufactured items proposed for incorporation in the work of the project. This information may be included on your design drawings.

4. MATERIALS SPECIFICATIONS

- a. Elevations (facades), with marked dimensions, clearly indicating proposed work in relation to existing construction and, when appropriate, context fixed features of both the existing resource(s) and the proposed work.
- b. Schematic construction plans, with marked dimensions, indicating location, size and general type of walls, window and door openings, and other facade affected by the proposed work is required.

You must submit 2 copies of plans and elevations in a format no larger than 11" x 17". Plans on 8 1/2" x 11" paper are preferred.

3. PLANS AND ELEVATIONS

- a. The scale, north arrow, and date;
- b. dimensions of all existing and proposed structures; and
- c. site features such as walkways, driveways, fences, ponds, streams, trash dumpsters, mechanical equipment, and landscaping.

2. SITE PLAN

Site and environmental setting, drawn to scale. You may use your plat. Your site plan must include:

a. General description of project and its effect on the historic resource(s), the environmental setting, and, where applicable, the historic district:

SINGLE FAMILY HOUSE WITH EXISTING ADDITION:
GARAGE AND FAMILY ROOM LOCATED IN
GREENWICH FOREST SUBDIVISION, NOTED FOR
TREE CANOPY & REVIVAL FACADES / SETBACKS

PROJECT WILL REPLACE 4 WINDOWS ON 1960
ADDITION (NOT ORIGINAL). 3 WINDOWS FACE REAR
ONE IS ON SIDE OF STRUCTURE. PROJECT WILL
NO WORK WILL ALTER FACADE.

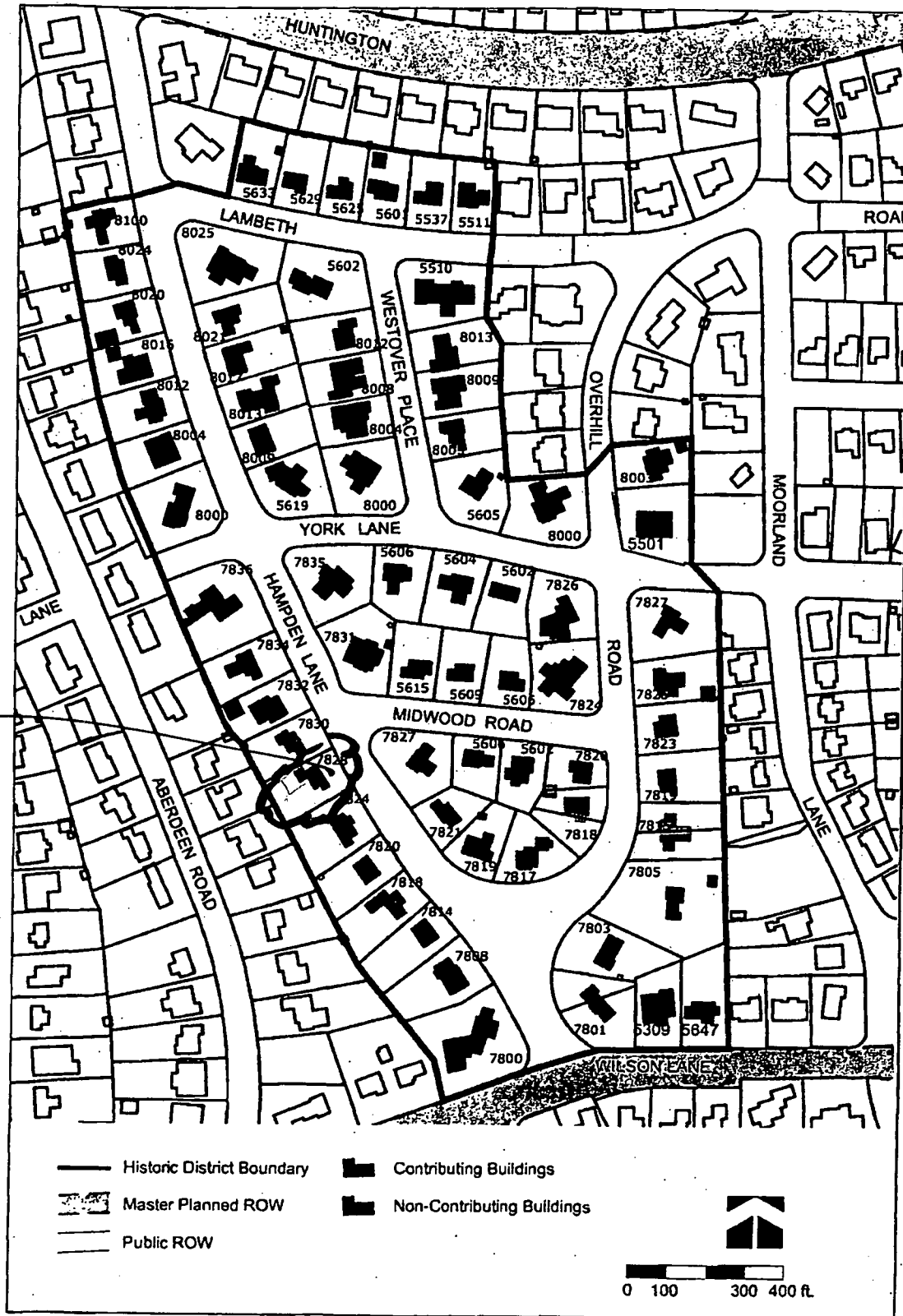
1. WRITTEN DESCRIPTION OF PROJECT

THE FOLLOWING ITEMS MUST BE COMPLETED AND THE
REQUIRED DOCUMENTS MUST ACCOMPANY THIS APPLICATION.

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address 7828 HAMPDEN LN BETHESDA MD 20814	Owner's Agent's mailing address 5528 NICHOLSON LN ROCKVILLE MD 20852
Adjacent and confronting Property Owners mailing addresses	
VICTOR & MAUREEN BONILLA 7824 HAMPDEN LN BETHESDA MD 20814	SAMUEL WORTHINGTON 7830 HAMPDEN LN BETHESDA MD 20814
TIMOTHY & CHERYL HANWAY 7827 HAMPDEN LN BETHESDA MD 20814	

GREENWICH FOREST HISTORIC DISTRICT BOUNDARIES, #35/165



SUBJECT
PROPERTY

P.621

LOT 9
BLOCK 12

N 29°57'15"W
16.04' (SURVEY)
N 29°29'00"W
16.09' (RECORD)
R/C SET

N 31°08'56"W
N 30°59'00"W

63.65'
63.51'

I.P.F.

LOT 18

10,605 S.F. (RECORD)
10,599.8 S.F. (SURVEY)

N/F
LOT 10

136.35' (SURVEY)
136.65' (RECORD)

S 59°33'37"W
S 59°35'57"W
P.O.L.

P.O.L.

P.O.L.

P.O.L.

P.O.L.

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P.O.L.

P.O.L.

P.O.L.

21.7

26.1

26.7

26.4

26.7

26.4

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26.4

BRICK PATIO

22.2

12.0

12.0

12.0

12.0

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12.0

2 STORY
BRICK & FRAME
#7828

CONC. PORCH

SLATE WALK

CONC. D/W

A=38.66' (RECORD)
A=38.67' (SURVEY)
R=1528.00'

R/C SET

A=36.34' (RECORD)
A=36.37' (SURVEY)
R=4584.00'

R/C SET

HAMPDEN LANE

(60' R/W)

SITE PLAN
SHOWING DOOR
AND 4 WINDOWS
TO BE REPLACED

3. ALL PROPERTY C
VERIFIED PER FIE

4. I.P.F. INDICATES
R/C SET INDICA
P.O.L. INDICATES
INDICATED.

5. PROPERTY IS RE
MONTGOMERY CO
DESCRIBED IN LIE

PL

#78

LOT

GREEN

MONT

SCALE: 1"

4



REQUEST LITERATURE

LOCATE A RETAILER Enter Zip/Postal Code

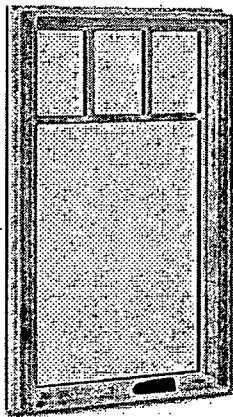
Built to Perform:

Search [Windows](#) [Doors](#) [Ultrex® Advantages](#) [Project Planning](#) [Resource Center](#) [The Marvin® Story](#)

Home > Windows > Casement & Awning

Wood-Ultrex

Casement and Awning Windows



Clean sightlines and smooth, dual-arm roto gear operation make these some of our most versatile windows. Add a Round Top for an extra splash of sunlight or pair them with a Picture windows for a great view and a cool breeze. The Ultrex exterior stands up to the strongest wind and rain and the real wood interior delivers the natural beauty you desire.

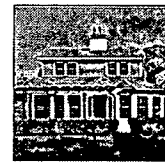
Features

- Folding handle and dual-arm roto gear operation prevents sagging
- Multi-point sequential locking system
- Available in special sizing
- Low-maintenance Ultrex exterior; rich pine interior

Integrity Insights

- Pro's Product Selector
- Ultrex Advantages
- Energy Efficiency
- Care & Maintenance
- Download iPad/iPhone App

Project Showcase



When choosing a window that would be the focal point of their home, it was an easy decision. Integrity windows are probably the best quality/value window in the industry.

Options

Exterior Colors ▾

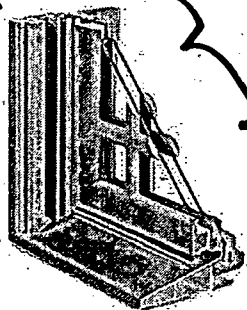
Interior Colors ▾

Hardware ▾

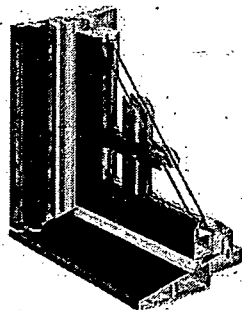
Grilles & Divided Lites ▾

Grilles and Divided Lites

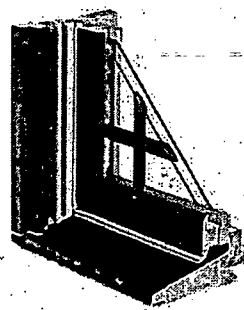
Grilles and divided lites are available in a variety of styles match the architectural design of your home.



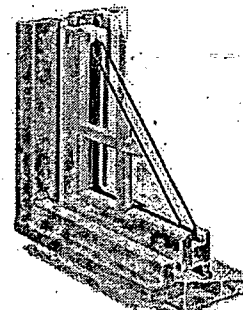
Simulated Divided Lites (SDL)



Simulated Divided Lites with Spacer Bar (SDLS)



Grilles Between The Glass (GBG)



Wood Interior Grilles



SDL are bars permanently adhered to both sides of the glass for a more authentic divided lite appearance both inside and out.

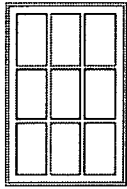
Spacer bar inserts are available with LoE³-366 glass to complete the appearance of individual glass panels.

By inserting the grille between the panes of glass, you get the lite cut appearance you desire with the easy cleaning of a single pane of glass.

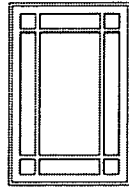
Enjoy the warmth of real wood with an innovative concealed fastener system that allows for easy removal and cleaning.

Divided Lite Patterns

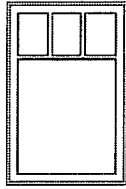
Integrity offers six window lite cut options. The Cottage and Equal Lite lite cuts are available as SDL, while Rectangular, Prairie, 2w2h and 2w1h lite cuts are available in both SDL and GBG. Wood Interior Grilles are available in a Rectangular lite cut only.



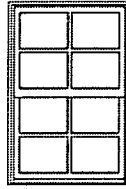
Rectangular



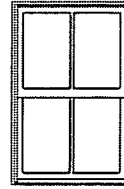
Prairie



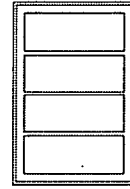
Cottage



Rectangular
2 wide 2 high



Rectangular
2 wide 1 high



Equal Lite

For more information on this or other Integrity products contact your local Integrity retailer.

Glass ▾

Screens

Accessories ▾



Check out this new video case study featuring an architect who used Integrity wi...
Check out this new video case study featuring an architect who used Integrity windows in a green renovation of a small Austin, Texas home.

► Find your local Integrity® retailer.



All Ultrex Windows
Casement & Awning
Double Hung
Glider
Polygon
Round Top
Single Hung

Wood-Ultrex Doors
Inswing French
Outswing French
Sliding French
Sliding Patio Door

Ultrex Advantages

Project Planning
Remodel & Replace
Consumer Trends
Media Gallery
Project Showcase
Product Reviews
What's New?

The Marvin Story

Professionals
Product Selector
Commercial
Learning Lab
Integrity Advantages
Promotions
Product Resource Library



Wood-Ultrex Windows
Bay & Bow
Casement & Awning
Double Hung
Glider
Polygon
Round Top

IMPACT Doors
Outswing French
Sliding French

Resource Center
Energy Efficiency
Sustainability / Green
Care & Maintenance
Warranty
Replacement Parts
Contact Us



IMPACT Windows
Casement & Awning
Double Hung
Polygon

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Dove Current Grids

Version 8.12 02/18/12

PAGE 1

*** PRICES LISTED IN USD ***

QUOTE: 00000002

QTY: 2 MARK UNIT - family room

I CA - LH

WOOD - ULTREX SERIES

CN 3747

RO 37" X 47 5/8"

IG - 1 LITE

LOW E II W/ARGON

7/8" RECT SDL - NO SPACER BAR - SPC CUT 4W4H

PEBBLE GRAY EXT. - WHITE INT.

AF HDWE

INTERIOR SCREEN

WHITE SURROUND

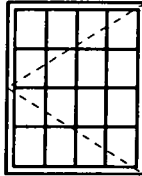
CHARCOAL FIBERGLASS MESH

NAILING FIN

4 9/16" JAMBS

WHITE INTERIOR

PEBBLE GRAY EXTERIOR



AS VIEWED FROM THE EXTERIOR

DIVIDED LITE CUT ALIGNMENT MAY NOT BE ACCURATELY REPRESENTED IN THE MQS GENERATED DRAWING
PLEASE CONSULT YOUR LOCAL INTEGRITY REPRESENTATIVE FOR EXACT SPECIFICATIONS

QUOTE: 00000007

QTY: 2 MARK UNIT - fixed windows-garage

I CA - STATIONARY

WOOD - ULTREX SERIES

CN 3747

RO 37" X 47 5/8"

IG - 1 LITE

LOW E II W/ARGON

7/8" RECT SDL - NO SPACER BAR - SPC CUT 4W4H

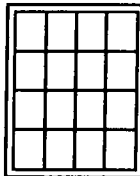
PEBBLE GRAY EXT. - WHITE INT.

NAILING FIN

4 9/16" JAMBS

WHITE INTERIOR

PEBBLE GRAY EXTERIOR



AS VIEWED FROM THE EXTERIOR

DIVIDED LITE CUT ALIGNMENT MAY NOT BE ACCURATELY REPRESENTED IN THE MQS GENERATED DRAWING
PLEASE CONSULT YOUR LOCAL INTEGRITY REPRESENTATIVE FOR EXACT SPECIFICATIONS

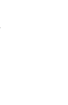
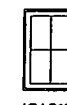

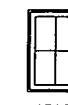



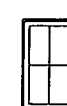
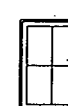
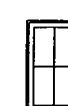
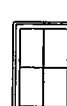
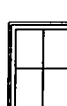


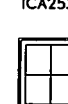


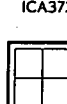


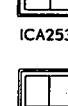

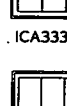







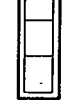
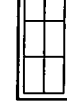




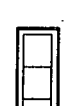

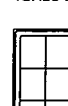

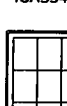
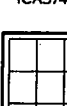



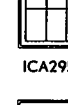


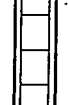





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CASEMENT

Operator/Stationary Units

Model	1-4 1/2 (419)	1-8 1/2 (521)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	3-0 1/2 (927)
Height (mm)	1-5 (432)	1-9 (533)	2-1 (635)	2-5 (737)	2-9 (838)	3-1 (940)
Frame Size (mm)	1-4 (406)	1-8 (508)	2-0 (610)	2-4 (711)	2-8 (813)	3-0 (914)
Clearance (mm)	1-1 13/16 (300)	1-5 13/16 (402)	1-9 13/16 (503)	2-3 13/16 (605)	2-7 13/16 (706)	3-1 13/16 (808)

5-11 3/8 (1813)
5-11 5/8 (1819)
5-11 7/8 (1807)
6-6 5/16 (1700)
5-3 3/8 (1610)
5-3 5/8 (1616)
5-3 7/8 (1603)
5-8 15/16 (1697)
4-11 3/8 (1508)
4-11 5/8 (1514)
4-11 7/8 (1502)
5-15 1/16 (1695)
3-11 3/8 (1203)
3-11 5/8 (1210)
3-11 7/8 (1197)
4-2 1/8 (1400)
5-0 15/16 (1294)
3-3 3/8 (1000)
3-3 5/8 (1006)
3-3 7/8 (994)
3-8 15/16 (987)
3-7 1/2 (1105)
3-7 3/4 (1111)
3-7 1/4 (1099)
3-9 1/16 (1092)
2-11 3/8 (898)
2-11 5/8 (905)
2-11 7/8 (892)
3-0 15/16 (786)
2-7 3/8 (797)
2-7 5/8 (803)
2-7 7/8 (791)

					
ICA1735	ICA2131	ICA2531	ICA2931	ICA3331	ICA3731
					
ICA1735	ICA2135	ICA2535	ICA2935	ICA3335	ICA3735**
					
ICA1739	ICA2139	ICA2539	ICA2939	ICA3339**	ICA3739**
					
ICA1743	ICA2143	ICA2543	ICA2943*	ICA3343*	ICA3743*
					
ICA1747	ICA2147	ICA2547	ICA2947*	ICA3347*	ICA3747*
					
ICA1755	ICA2155	ICA2555	ICA2955*	ICA3355*	ICA3755*
					
ICA1759	ICA2159	ICA2559	ICA2959*	ICA3359*	ICA3759*
					
ICA1763	ICA2163	ICA2563	ICA2963*	ICA3363*	ICA3763*
					
ICA1771T	ICA2171T	ICA2571T	ICA2971T*	ICA3371T*	ICA3771T*

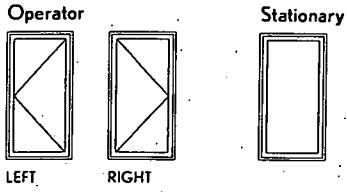


CASEMENT

INTEGRITY® FROM MARVIN®
WOOD-ULTREX® SERIES

Construction Details

Casements available as an operator or stationary.
L or R hinging determined from exterior.



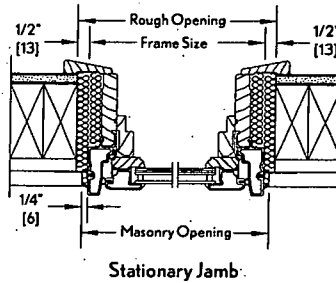
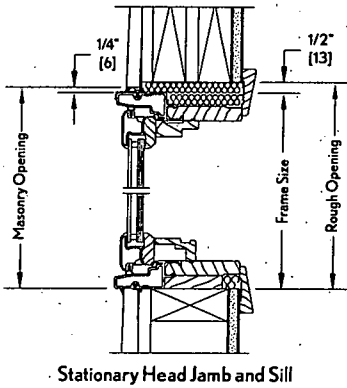
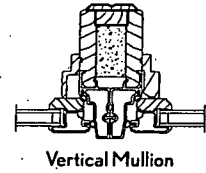
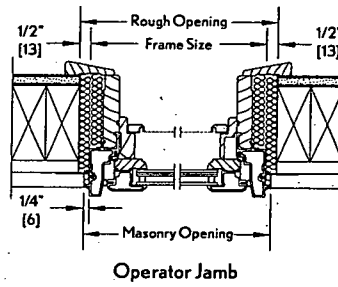
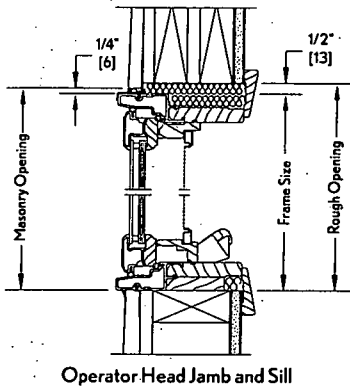
Details and Elevations not to scale.

T = Standard Tempered

Optional Casement Grilles, GBGs and SDLs are available in a standard Rectangular cut shown.

*These windows meet National Egress Codes for fire evacuation. Local codes may differ.

**3339, 3735, and 3739 meet Egress if installed at proper height from floor.



13

FRONT FACADE - NO ALTERATIONS

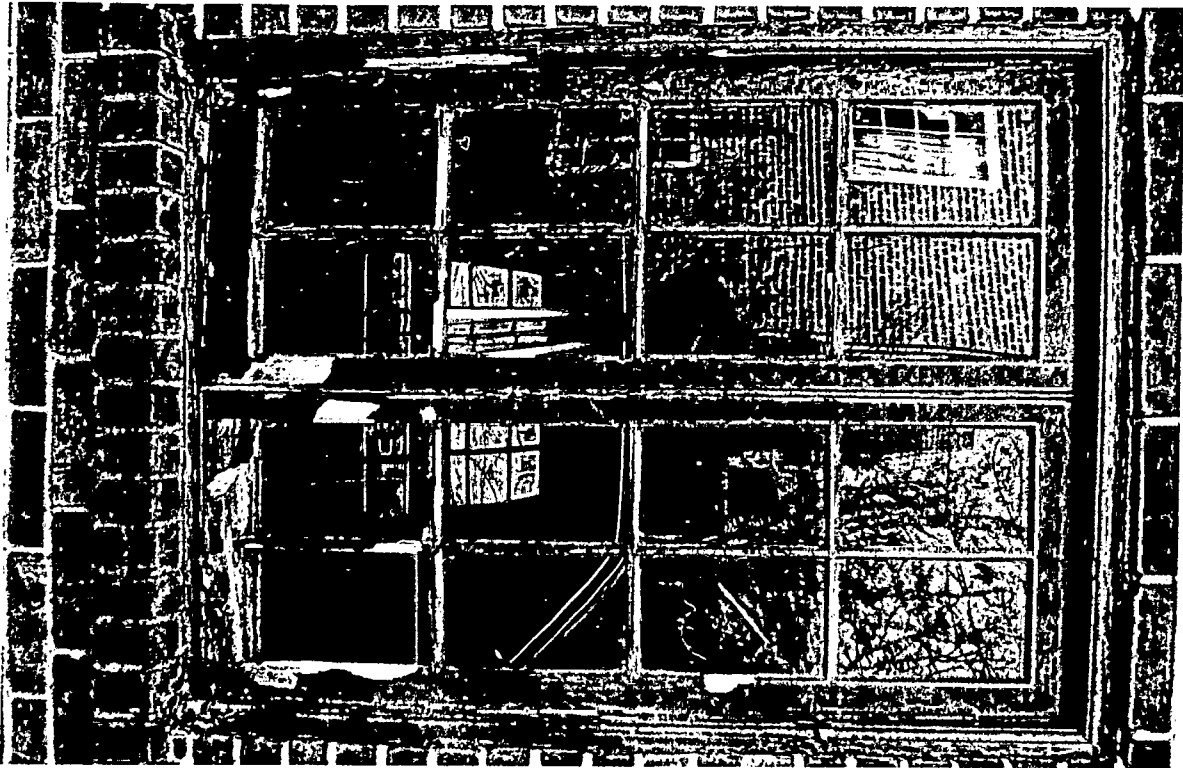


7828 HAMDEN CN



WINDOWS
TO BE
REPLACED

W (REAR FACADE) SHOWING ~~THE~~ 2 WINDOWS
TO BE REPLACED



DETAIL OF WINDOW TO BE REPLACED
ON N. # (SIDE) FACADE (GARAGE ADDITION)

9

REAR FACADE (S & WEST) SHOWING 3
WINDOWS TO BE REPAIRED

